

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release Variety Trial

<u>Catalogue No.:</u> 66	<u>Soil Analysis</u>						
<u>This crop:</u> Plant, 1R.							p.p.m.
<u>Site:</u> Mkelwana, Sibudu	pH	O.M.%	Clay %	P	K	Ca	Mg
<u>Altitude:</u> 400'	P	-	-	-	-	-	-
<u>Soil:</u> Waldene	1R	5.92	2.51	21.0	10	57	485 295
<u>Design:</u> Random Block	<u>Age:</u>						
<u>Varieties:</u> C.B.36/14, C.B.38/22	P = 14 mths. Sept. 1962 - Nov. 1963						
N.50/211, N:Co.376	1R = 24 mths. Nov. 1963 - Nov. 1965						
<u>Fertiliser:</u> N P K	<u>Rainfall:</u> P 48.93"						
<u>Plant = Urea</u> 250 500 250	1R 66.16"						
<u>1R , = L.A.N.</u> 1000 500 200							

Object: To compare the yields of N:Co.376 and N.50/211 with those of two new varieties.

Results:

Item	Crop	C.B.36/14	C.B.38/22	N.50/211	N:Co.376
T.C.A.	P	39.0	29.8	34.6	44.1
	1R	62.0	41.5	51.5	56.9
Suc. %	P	13.8	14.4	14.8	14.5
	1R	13.4	15.1	14.9	14.6
T.S.A.	P	5.40	4.29	5.11	6.40
	1R	8.31	6.28	7.65	8.32

30th May, 1966.